

ABSTRACT

An active power regulation process and system of a wind farm comprising an array of aerogenerators (Ai), a communications network (RS), and a monitoring and control system (ST). The system of the invention comprises:

- 5 - means for connecting to said monitoring and control system (ST),
- means for receiving data relative to the apparent power P_{out} put out by the farm at all times, and data relative to variables and states of the aerogenerators (Ai) from said monitoring and control system (ST),
- means for comparing said output apparent power P_{out} with a preset apparent
- 10 power set-point P_{cons} of the farm,
- means for continuously adjusting said output apparent power P_{out} , such that this output apparent power P_{out} approaches at all times the preset power set-point P_{cons} .